

A2  
concl'd.

and causing a database of recommendations to be searched using the context-activity pair; providing recommendations to the user in response to the searching step.

SUB 877

25. A wireless device to provide recommendations to its user that are appropriate to the device's current environment, comprising:

a sensor for providing sensor signals characterizing a current environment of the wireless device;

a context inference engine coupled to the sensor, for processing the sensor signals;

said context inference engine providing a current context result from the processing;

a processor coupled to the context inference engine, for forming a context-activity pair by selecting an activity and pairing it with the current context result;

a database coupled to the processor, for providing recommendations using the context-activity pair; and

an output device coupled to the database, for providing the recommendations to the user in response to the context-activity pair.

26. A system to provide recommendations to the user of a wireless device that are appropriate to the device's current environment, comprising:

a sensor in the wireless device for providing sensor signals characterizing a current environment of the wireless device;

a processor coupled to the sensor, for forming pair information by selecting an activity and pairing it with current sensor information derived from said sensor signals, said processor sending the pair information to a server;

a context inference engine in the server coupled to the wireless device, for processing the current sensor information, said context inference engine providing a current context result from the processing;

a database coupled to the context inference engine, for providing recommendations using the activity and current context result; and

an output device in the wireless device and coupled to the database, for providing the recommendations to the user.